

## TEACHING PLAN FOR THEORY

**Name of Subject Teacher: PANKAJ SHRIVASTAVA**

<b>Subject: BASIC MECHANICAL ENGINEERING &amp; GRAPHICS      Class: F.E (Div D)      Branch: ALL      Year 2017-18</b>		
<b>Lecture No</b>	<b>Scheduled Date</b>	<b>Topics to be covered on the scheduled date</b>
1	18/07/17	Syllabus Discussion, Discussion on course objective & course outcome
2	20/07/17	Power transmission shafts, coupling
3	25/07/17	bush and ball bearing and friction clutches, brakes
4	27/07/17	Individual and group drives, belt drive, chain drive, rope drive,
5	01/08/17	gear drive and Spur Gear Drive arrangement with gear train
6	03/08/17	TAE-I
6	08/08/17	Basic Manufacturing Processes overviews, Sheet metal forming processes
7	10/08/17	drawing and bending, Sheet metal Cutting processes : Blanking, Piercing
	17/08/17	TAE-II
8	24/08/17	Blanking, Piercing ,Metal Joining Processes : Welding , Soldering , Brazing methods and application
9	29/08/17	Brazing methods and application of each welding processes
	31/08/17	TAE III
10	07/09/17	Basic Elements, Working Principle, Types of Operations with Block Diagram: Lathe Machine

	12/09/17	TAE-IV
11	14/09/17	Basic Elements, Working Principle, Types of Operations with Block Diagram : Drilling Machine.
12	19/09/17	Introduction to lines and Engineering Curves
13	<b>26/09/17</b>	Ellipse, Parabola
	28/09/17	TAE-V
14	03/10/17	Hyperbola by Focus Directrix and Rectangle Method
15	05/10/17	Introduction to projection of solids and section of solids
16	10/10/17	Development of Solid(Prism and Pyramid Maximum with six sides)
	12/10/17	TAE-VI
17	17/10/17	Development of Solid(Prism and Pyramid Maximum with six sides)
18	19/10/17	Orthographic projections of given pictorial view by First Angle Method of Projections.
19	26/10/17	Orthographic projections of given pictorial view by First Angle Method of Projections.
20	31/10/17	Introduction to Isometric View with the example of Cube Isometric axes,
21	02/11/17	Isometric Projection and Isometric Views
22	07/11/17	Drawing isometric views of simple solids and objects dimensioning-only Length, width and height of Isometric views.
23	09/11/17	Introduction to AutoCAD
24	09/11/17	Commands

25	09/11/17	AutoCAD drawing of simple 2D objects
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